



IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

**PATENT APPLICATION**

Inventor	C. R. Doerr	
Case	58	
Serial No.	10/035,628	Group Art Unit 2874
Filing Date	Nov. 1, 2001	
Examiner	Ellen E. Kim	
Title	<b>Integrated Wavelength Router</b>	

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Amendment After Final

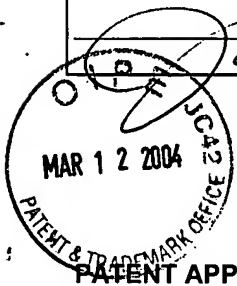
In response to the Final Office action of Dec. 17, 2003 please amend the claims as follows;

1. (Currently Amended) An integrated wavelength router comprising  
a demultiplexer arranged to couple individual wavelengths in an input optical WDM signal to N respective demultiplexer outputs,  
a binary tree including at least first and second stages of interconnected  $1 \times 2$  switches, each of the switches in said first stage arranged to couple one of said N outputs of said demultiplexer to inputs of at least two switches in said second stage,  
a plurality of K multiplexers arranged to combine the outputs from a plurality of switches in said second stage to form K outputs of said router, and  
further comprising a plurality of shutters disposed before the inputs of said multiplexers and operated in conjunction with the binary tree so as to dilate said router so that desired paths of

Image AF 2874

I hereby certify that this correspondence is being deposited with the United States Post Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on March 9, 2004 by

John A. Caccuro



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Dear Person:

Enclosed is an Amendment After Final for the above-identified application.

No additional fee is required.

Respectfully,

John A. Caccuro, Attorney  
Reg. No. 28592

Date: March 9, 2004